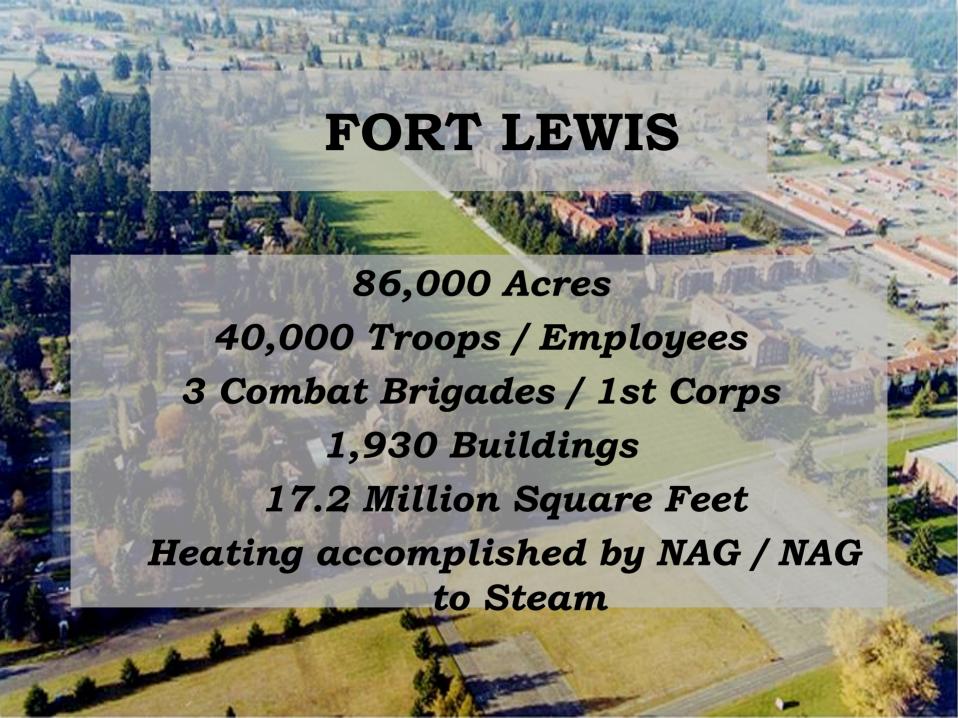


January 2007

Richard Wilson





Yakima Training Center (YTC)

- Yakima Training Center (Subinstallation) – 323,500 acres
- * 500 Employees
- * 200 Buildings
 - -790K Square Feet



ENERGY DATA FORT LEWIS & YTC

FY 2006 Consumption

Electric 210,426 MWH (36%)
Natural Gas 1,125,072 MBTU (56%)
Oil 157,000 MBTU (8%)



- Conservation
 - ESPC
 - 2002-2020 Johnson Controls DDC for Barracks
 - 2007 (Planned) ESPC with FEMP (or) UESC with Bonneville Power
 - Small Power Projects
 - Solar Wall (Commissioning)
 - Mini-Hydro (Planning)
 - Landfill Gas Reuse (Design)
 - Solar Roof (Planned)



- Conservation
 - Fort Lewis Energy Reg. FL 11-1
 - Unit Inspection / Training Program
 - Recycling (Goal) No waste departs Fort
 Lewis
- Installation Sustainability Program
 - 1,5,20 year Energy goals
 - Teams formed: Address metering / energy conservation issues
 - Goal: 100% Renewable Energy by 2025



- BRAC: Joint Base Lewis McChord (JBLM)
 - Fort Lewis + YTC + McChord AFB= JBLM 2007

	Electric MWH
Fort Lewis	210,426
McChord	97,038
Total	307,464

Electric/MBTU	NAG/ MBTU	Oil/ MBTU	Total MBTU
718,003	1,125,072	157,700	2,000,775
331,107	344,092	19,596	694,795
1,049,111	1,469,164	177,296	2,695,571

- All Energy Initiatives will address JBLM
 - ESPC / Metering / Studies



- Renewable Energy Study
 - Renewable Energy Study-JBLM
 - Fort Lewis: Micro-Hydro / Biomass / Solar
 - YTC: Solar / Wind
 - McChord AFB: Biomass / Solar
 - Goal: 100% Renewable Energy by 2025
 - RFP (in design)
- RECs ~ 21% of Renewable Energy (FY07 –FY10)



PROGRAM CHALLENGES

- Joint Base Lewis McChord Merger
- Construction
 - Standardized USACE RFP
 - Limited input from Garrison
 - Stick wood construction
 - Close 25 Year Horizon
 - Modular Construction
- Troop Deployments
- Lack of Electrical Metering
- Computer Energy Conservation

